Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/10/2021 09:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123641	-2	1.45	123546	1.42
Blue	F	SSC	125000	122635	-2	2.45	122925	2.30
Blue	E	FITC	13131	12650	-4	2.50	292	15.99
Blue	D	PE	24112	23897	-1	1.97	547	10.87
Blue	B	PerCP-Cy5-5	31295	30812	-2	3.23	1018	14.39
Blue	A	PE-Cy7	19939	19648	-2	5.29	521	28.92
Red	C	APC	42122	40686	-4	2.85	1705	11.22
Red	A	APC-Cy7	22340	21724	-3	3.09	814	11.85
Violet	B	V450	7410	6895	-7	3.22	419	12.62
Violet	A	V500	28118	26959	-5	2.80	673	9.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22882	1.80	565	-4	N/A	N/A	Pass
Blue	F	SSC	57259	1.16	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0384	89	Pass
Blue	D	PE	116	36.61	489	1	0.3963	286	Pass
Blue	B	PerCP-Cy5-5	190	35.67	585	-1	0.0206	86	Pass
Blue	A	PE-Cy7	104	67.02	627	-1	0.0224	0	Pass
Red	C	APC	393	24.56	579	3	0.0298	300	Pass
Red	A	APC-Cy7	183	27.86	555	4	0.0059	962	Pass
Violet	B	V450	58	65.33	461	8	0.0601	2359	Pass
Violet	A	V500	98	31.45	474	9	0.0276	579	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.43	-31.22	0.99
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.25	13.60 - 20.40	N/A	N/A	29.76	29.89	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10800

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments